



SOUTHWEST RESEARCH INSTITUTE

- Founded in 1947
- Nonprofit organization
- Independent & unbiased
- Betterment of mankind through science & technology
- Development & transfer of technology
- 60+ years, 3 presidents
- 3200+ employees
- \$500M+ Revenue
- 1200 Acres
- 170 Buildings
- 2.1 million square feet
- San Antonio, TX

**Benefiting government, industry and the public
through innovative science and technology**



EXPERIENCE AND CAPABILITIES

Experience

- Strong project and staff history in model-based methods and application
- Real-world application of model-based methods to cyber-physical systems
- Integration of new systems onto existing ground vehicle platforms
- Integration of research results into real-world demonstrations
- Multi-platform development
 - FPGA, ASIC, Multiprocessor...

Capabilities

- Fundamental research
- Applied research
- System integration
- Technology transfer
- Independent Validation and Verification
- Truth broker



RECENT PROJECT HISTORY

DARPA MoBIES

- Model driven scheduler implementation
- Model driven SDR implementation platform

Commercial Test and Acquisition System

- Visio-based configuration generation

Cybercraft

- Cyber-physical system policy generation and integration

iNET

- Standards for interoperability of devices driven by modeled XML interface contracts

VICTORY

- Integrated new sensors and systems onto the Stryker vehicle platform

Transceiver Analysis Tool

- Excel and MATLAB-based modeling tool for design space exploration of space-based transceiver implementations

IARPA NICECAP

- Integrated basic research results from two universities into coherent, unified, and applicable demonstration



SUMMARY AND CONTACT INFO

- Good teaming partner
 - Independent and unbiased
- Proven technology transfer capabilities
- Fundamental research capabilities
 - Staff with academic credentials
- System integration capabilities
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